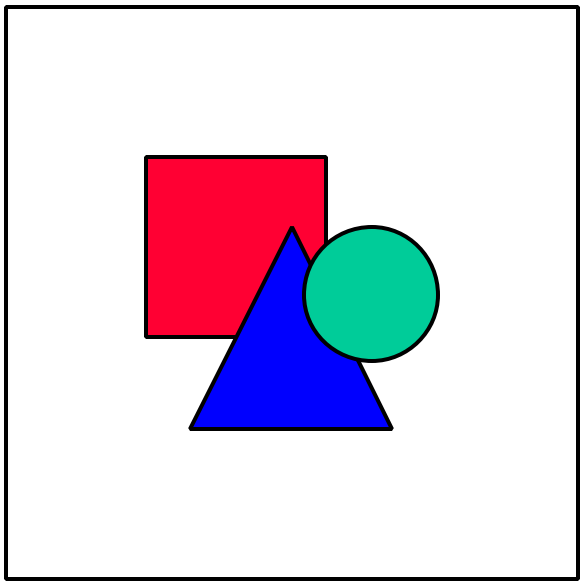

Approval # 970046-U (Replaces 940015-U, 960003-U & 960030-U)

Safety & Buildings Division
201 East Washington Avenue
P.O. Box 7969
Madison, WI 53707

Wisconsin Material Approval

Material

Enviroflex® PP1501, PP1502, PP2502, and SP4500;
Omniflex® CP1501, CP1502, and CPS150;
Monoflex™ SP2501 and Vaporflex™ VP2501
Nonmetallic Underground Piping

Manufacturer

Total Containment, Inc.
P.O. Box 939
Oaks, PA 19456

SCOPE OF EVALUATION

The Enviroflex PP1501, PP1502, and PP2502 ; and Omniflex CP1501 and CP1502 primary piping for flammable liquids, the Enviroflex SP4500 and Omniflex CPS150 secondary containment piping, the Vaporflex VP2501 secondary containment and vent piping, and the Monoflex SP2501 suction, vent, vapor, and secondary containment piping were evaluated for use in underground storage tank systems under the performance standards of **s. ILHR 10.51(2)** of the Wisconsin Flammable and Combustible Liquids Code.

DESCRIPTION AND USE

Enviroflex and Omniflex primary piping consists of three layers of nylon and polyethylene and an additional layer of braided reinforcing material. They have a maximum pressure rating of 50 psig. The minimum bend radii are 12 inches for the PP1502, 24 inches for the CP1501, 24 inches for the PP2502, 12 inches for the PP1501, and 24 inches for the CP1502.

The CP1502 system consists of PP1502 primary piping with the CPS150 secondary containment.

The CPS150 and SP4500 secondary containment piping consists of a single layer of blue polyethylene They have a maximum pressure rating of 10 psig and a minimum bend radius of 36 inches.

The Monoflex SP2501 suction, vent, vapor and secondary containment piping consists of a layer of polyethylene and a layer of polyketone. It has a maximum pressure rating of 5 psig and a minimum bend radius of 36 inches.

The Vaporflex VP2501 secondary containment and vent piping consists of an inner layer of nylon and an outer layer of blue polyethylene. It has a maximum pressure rating of 5 psig and a minimum bend radius of 24 inches.

Enviroflex, Omniflex, Vaporflex and Monoflex products may be used to contain petroleum products, alcohol products and alcohol-gasoline mixtures.

The UL label is printed on the hose at maximum 10 foot intervals.

TESTS AND RESULTS

Enviroflex, Omniflex, Vaporflex and Monoflex products covered by this approval were tested and are listed by Underwriters Laboratories, Inc.

LIMITATIONS OF APPROVAL

Enviroflex, Omniflex, Vaporflex and Monoflex piping are approved for installation without the flex connectors specified in **s. ILHR 10.51(2)(e)**.

Enviroflex, Omniflex, Vaporflex and Monoflex piping is approved for underground (buried) installations only. A maximum of 3 inches of low melting point materials may be exposed at the point where the piping enters a sump.

Leak detection for the piping system shall be provided in accordance with **s. ILHR 10.60(2)**. The specific leak detection system used must be shown on the plans that are submitted for review in accordance with **s. ILHR 10.10**. If used, automatic line leak detectors and line tightness testing methods must be specifically approved for use with flexible piping in accordance with **s. ILHR 10.125**. (Note: Evaluation of these leak detection methods with the standard EPA protocol does not demonstrate acceptability of use with flexible piping.)

Enviroflex, Omniflex, Vaporflex and Monoflex products shall be installed only when the air temperature is above 0°F.

This approval will be valid through December 31, 2002, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Material Approval Number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Reviewed by: _____

Approval Date: _____ By: _____

Duane Hubeler
Mechanical Code Consultant
Program Development Bureau

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